Intelligent Document Search ChatBot [Cloud]

Overview: This scenario demonstrates a powerful document search experience that leverages the strengths of Azure Open AI ChatBot accepts instructions in plain natural language, such as English, and gives crisp and context-aware answers in seconds. The user can query any details related to the document.

Framework: Llama Index, Flowise

Vectors database: Qdrant, PineCone

UI: React

Backend: Python.

Azure Services: Azure OpenAI, Azure Search, Azure Document Intelligence, Form Recognizer

Embedding: Azure OpenAI

GPT Model: gpt-4-turbo(1.76 trillion parameter), text-embedding-ada-002

Hardware: Cloud-based AI-optimized compute instances.

Chat Interface
User enters Question

1 →

Langchain API

2

Convert the Query into Embeddings

Text to Number Vector Conversion

3

OpenAI ADA Embeddings

4

Vector DB

5 Return Top 10 Similar Results

Top-K Similar Documents

6

Inserted into Prompt as Context

7

Query + Prompt + Context

8 →

GPT 3.5 LLM

9

Output Chat Interface

Similarity / Semantic Search